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DESCRIPTORS: *Metals, *Stresses, Measurement,
X-rays, Elasticity, Lattices, *Steel, Single crystals,
Plasticity, *Deformation, Failure (Mechanics)

Internal stresses of the second type can be determined
quantitatively as well as qualitatively by X-ray meth-
ods. By using the theory of the structure of matter and
the theory of elasticity, it has been found possible to
relate the change in lattice constant brought about by
internal stress of the second type to line breadth of the
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C-4 NP NSA Dep.(mc): \$1.60(fs), \$0.80(mf)
N-5 JCL or 6

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Order from OTS or SLA \$1.10

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DESCRIPTORS: *Heat of formation, Combustion,
*Pentanes, Liquids, Gases, *Butanes, Methyl
radicals, *Hexanes, *Heptanes.

(Chemistry--Physical, TT, v. 9, no. 12)

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